

# Sussex County



SUSSEX

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# Barrier Chemical Industries

Route 515 (Prices Switch Road)

Vernon Township

Sussex County

**BLOCK:** 41      **LOT:** 6

**CATEGORY:** Non-Superfund  
State Lead

**TYPE OF FACILITY:** Manufacturing-Chemicals  
**OPERATION STATUS:** Ceased

**PROPERTY SIZE:** 2 Acres

**SURROUNDING LAND USE:** Agricultural/Residential

## MEDIA AFFECTED

Ground Water

## CONTAMINANTS

Volatile Organic Compounds  
Base Neutral Extractable Compounds

## STATUS

Delineating

Soil

Volatile Organic Compounds  
Semi-Volatile Organic Compounds  
Polychlorinated Biphenyls

Delineated

## FUNDING SOURCES

1986 Bond Fund





















## AMOUNT AUTHORIZED

\$250,000

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Barrier Chemical Industries manufactured degreasers, sewer cleaners, soaps, disinfectants, insecticides and floor waxes at this site between 1961 and 1975. The facility subsequently served as a warehouse for chemicals used in the company's manufacturing processes at another location. The company reportedly dumped chemical wastes directly onto the ground for several years while the plant was in operation. Sampling of nearby potable wells conducted in 1986 did not show significant levels of contamination. Operations at the facility ceased in 1990, which triggered the New Jersey Industrial Site Recovery Act (ISRA). Under ISRA, NJDEP approved Barrier Chemical's plan to conduct ground water and soil sampling. However, Barrier Chemical filed for bankruptcy in 1992 and the plan was not implemented.

Between 1995 and 1998, NJDEP excavated and disposed of three underground petroleum storage tanks and conducted a Remedial Investigation (RI) to determine the extent of contamination in the soil and ground water at the site. The results of the RI revealed that the ground water was not significantly contaminated; however a small area of contaminated soil was found near the railroad tracks that abut the property. NJDEP plans to excavate approximately 150 cubic yards of soil from the railroad track area and backfill the area with clean material in 1999. All drums containing hazardous waste have been removed from the facility and a fence has been installed around the site to prevent trespassing.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Drum Removal					 Planned
Fencing					 Underway
Tank Removal					 Completed
Sitewide					 Not Required

# GESG Reclamation Materials Inc.

41 Lenape Road

Andover Borough

Sussex County

**BLOCK:** 24      **LOT:** 36.03

**CATEGORY:** Non-Superfund  
State Lead

**TYPE OF FACILITY:** Waste Processing  
**OPERATION STATUS:** Ceased

**PROPERTY SIZE:** 8 Acres

**SURROUNDING LAND USE:** Commercial/Residential/Industrial

MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Metals	Potential
Soil	Polychlorinated Biphenyls (PCBs) Polycyclic Aromatic Hydrocarbons (PAHs) Metals Petroleum Hydrocarbons	Removed/ Further Delineation Required

## FUNDING SOURCES









1986 Bond Fund

## AMOUNT AUTHORIZED

\$548,000

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

GESG Reclamation Materials Inc. blended contaminated construction debris with sand and gravel to generate fill material for use at other locations. The site is near a public supply well operated by the Borough of Andover that is the sole source of drinking water for approximately 800 residents; however, sampling of the supply well has shown that the water meets all Safe Drinking Water Standards. Preliminary sampling conducted by NJDEP in 1992 indicated that the soil at the site was contaminated. In 1993, NJDEP directed a Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial actions, but the Potentially Responsible Party did not comply. Between 1995 to 1996, NJDEP conducted soil and waste classification sampling which confirmed the presence of PCB wastes and began a Remedial Investigation (RI) to determine the extent of contamination in the soil, and evaluate the possibility of contamination in ground water and sediments. Based on the preliminary findings of the Remedial Investigation, NJDEP excavated and removed 1800 tons of contaminated soil from the site in 1997. Post-excavation sampling conducted upon completion of the removal action indicated that significant contamination remained in the subsurface soil. NJDEP plans to excavate and remove this soil in the near future; however, since this work will affect wetlands on the site, NJDEP is developing a plan to restore the wetlands as part of the remedial action. The wetlands restoration and additional excavation is expected to be completed in 1999. The investigation of the ground water is continuing and will be completed after removal of the contaminated soil. The initial results of the RI have indicated that the wetland sediments are not contaminated. Several other GESG locations in Sussex County which are suspected of having received contaminated fill are also under investigation by NJDEP.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					
					 Planned
					 Underway
					 Completed
					 Not Required

# Hemlock Avenue Landfill

Hemlock Avenue

Andover Borough

Sussex County

**BLOCK:** 60      **LOT:** 4.06

**CATEGORY:** Non-Superfund  
State Lead

**TYPE OF FACILITY:** Illegal Disposal Site  
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** 130 Acres

**SURROUNDING LAND USE:** Forest

## MEDIA AFFECTED

## CONTAMINANTS

## STATUS

Soil

Polychlorinated Biphenyls (PCBs)  
Polycyclic Aromatic Hydrocarbons (PAHs)  
Metals  
Petroleum Hydrocarbons

Confirmed

## FUNDING SOURCES

1986 Bond Fund

## AMOUNT AUTHORIZED

\$189,000

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Contaminated fill derived from operations at the GESG Reclamation Materials, Inc. facility was deposited at this site in 1992. Preliminary sampling conducted by NJDEP in 1993 confirmed that the soil is contaminated. NJDEP directed a Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial activities but the Potentially Responsible Party did not comply. NJDEP conducted additional sampling in 1995 which indicated that the soil is contaminated with PCBs, petroleum hydrocarbons, metals and PAHs at levels above state cleanup criteria. In 1996, NJDEP began a Remedial Investigation (RI) to fully delineate the extent of the contamination in the soil, ground water and sediments. Following completion of the RI, NJDEP will conduct a Remedial Action Selection (RAS) to evaluate cleanup alternatives.

## PROJECT NAME

## RI/FS

## DESIGN

## CONSTR

## O&M

Sitewide



Planned



Underway



Completed



Not Required

# Metaltec Aerosystems

Wildcat Road

Franklin Borough

Sussex County

**BLOCK:** 64      **LOT:** 13

**CATEGORY:** Superfund  
Federal Lead

**TYPE OF FACILITY:** Manufacturing-Metal Products  
**OPERATION STATUS:** Ceased

**PROPERTY SIZE:** 16 Acres

**SURROUNDING LAND USE:** Residential

## MEDIA AFFECTED

Ground Water

## CONTAMINANTS

Organic Compounds  
Metals

## STATUS

Delineated

Potable Water

Organic Compounds  
Metals

Alternate Water  
Supply Provided

Soil

Organic Compounds  
Metals

Removed

## FUNDING SOURCES

Superfund  
1981 Bond Fund  
General State Fund

## AMOUNT AUTHORIZED

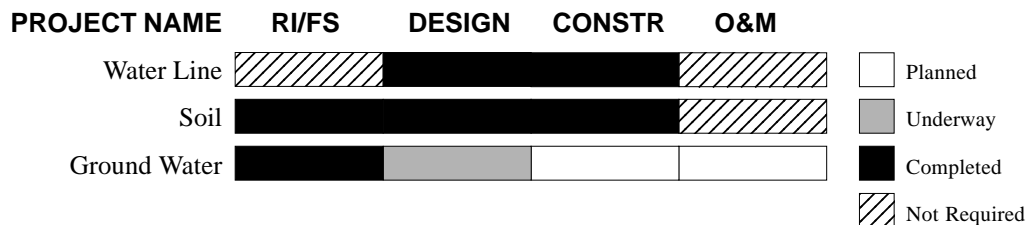
\$17,390,000  
\$1,000,000  
\$426,000

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Metaltec Aerosystems manufactured pen and lipstick casings at this site between 1965 and 1980. Contamination has been detected in the soil at four different areas of the site, as well as in the underlying shallow and deep ground water aquifers. The contamination resulted in the closure of three residential drinking water wells and the Borough's backup water supply well in 1980. USEPA added Metaltec Aerosystems to the National Priorities List of Superfund sites in 1983.

In 1984, USEPA initiated a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination at the site and identify cleanup alternatives. The RI/FS revealed that four parcels of soil and both the shallow and bedrock aquifers were contaminated. USEPA signed the first Record of Decision (ROD) for the site with NJDEP concurrence in 1986. The ROD required excavation, treatment and off-site disposal of the contaminated soil, implementation of a supplemental ground water investigation, and extension of a public water line to the nearby residences with contaminated private wells. By 1988, USEPA had removed approximately 4,900 cubic yards of soil from three of four contaminated parcels at the site. Construction of the public water line was completed in 1990.

In 1990, after completing a study of the ground water at the site, USEPA signed a second ROD with NJDEP concurrence that required installation of a remediation system to extract and treat the contaminated ground water. Additional investigative work is being performed as part of the Remedial Design for the ground water remediation system. USEPA completed remediation of the fourth parcel of contaminated soil in 1995. Approximately 10,500 cubic yards of contaminated soil have been removed from the site since remedial activities began.



# North Shore Water Associates

1 Hitoga Trail

Byram Township

Sussex County

**BLOCK:** 154      **LOT:** 235

**CATEGORY:** Non-Superfund  
State Lead, IEC

**TYPE OF FACILITY:** Unknown Source  
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** Not Applicable

**SURROUNDING LAND USE:** Residential

## MEDIA AFFECTED

Ground Water

## CONTAMINANTS

Volatile Organic Compounds

## STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

## FUNDING SOURCES









Spill Fund

## AMOUNT AUTHORIZED

\$17,500

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of one potable well that serves 15 residences. This well was discovered to be contaminated during routine testing by North Shore Water Associates in 1989. North Shore Water Associates installed a ground water treatment system on the well in 1990 using Spill Fund monies provided by NJDEP. NJDEP will be conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	R/FS	DESIGN	CONSTR	O&M	
Receptor Control					 Planned
					 Underway
					 Completed
					 Not Required

# Route 206 Andover

Route 206 North (Main Street)

Andover Borough

Sussex County

**BLOCK:** 24      **LOT:** 25

**CATEGORY:** Non-Superfund  
State Lead

**TYPE OF FACILITY:** Vacant Lot  
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** 3.2 Acres

**SURROUNDING LAND USE:** Commercial/Residential

## MEDIA AFFECTED

## CONTAMINANTS

## STATUS

Ground Water

Lead

Potential

Soil

Metals  
Polychlorinated Biphenyls (PCBs)  
Polycyclic Aromatic Hydrocarbons (PAHs)

Delineated

Sediments

Polycyclic Aromatic Hydrocarbons (PAHs)

Potential

## FUNDING SOURCES












1986 Bond Fund

## AMOUNT AUTHORIZED

\$1,433,000

## SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Contaminated fill derived from operations at the GESG Reclamation Materials, Inc. facility was deposited at this site in 1992. Preliminary sampling conducted by NJDEP in 1993 indicated that the soil was contaminated. NJDEP directed a Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial activities, but the Potentially Responsible Party did not comply. NJDEP conducted additional sampling in 1995 that confirmed the soil is contaminated with metals, PCBs and PAHs. In 1997, NJDEP began a Remedial Investigation and Remedial Action Selection (RI/RAS) to fully delineate the contamination in the soil, ground water and sediments and evaluate cleanup alternatives. Approximately 4,000 cubic yards of contaminated soil were delineated during the RI phase. NJDEP plans to excavate and remove the contaminated soil in mid-1999. Since the remedial action may impact nearby wetlands, NJDEP is obtaining the necessary permits to conduct this work. The preliminary findings of the RI have also indicated that the ground water may be contaminated with lead and stream sediments may be contaminated with low levels of PAHs. Once the soil remedial action is completed, NJDEP will install additional monitor wells at the site to investigate potential ground water contamination. Evaluation of the stream sediments is also continuing.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					 Planned
					 Underway
					 Completed
					 Not Required



# Route 521

West Shore Drive and Mount Benevolence Road  
Stillwater Township

Sussex County

**BLOCK:** 1703    **LOT:** 6.02

**CATEGORY:** Non-Superfund  
State Lead, IEC

**TYPE OF FACILITY:** Residence  
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** 0.2 Acres

**SURROUNDING LAND USE:** Residential/Rural

**MEDIA AFFECTED**

Ground Water

**CONTAMINANTS**

Petroleum Hydrocarbons

**STATUS**

Investigating

Soil

Petroleum Hydrocarbons

Investigating

**FUNDING SOURCES**

1986 Bond Fund

**AMOUNT AUTHORIZED**

\$8,000

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

In 1991, an above ground 250 gallon heating oil tank at this site leaked its contents onto the ground. Test pits excavated shortly thereafter confirmed there was oil in the ground water. No further measures were taken at that time and the case was referred to NJDEP for remedial action. The location of the spill is several hundred feet away from three residences with potable wells; however, none of the homeowner have reported any problems with their water quality. Just beyond these homes is a stream that flows into Swartswood Lake. NJDEP will conduct sampling of the ground water, soil and stream in the summer of 1998 as part of a preliminary Remedial Investigation (RI) for the site.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					
					<input type="checkbox"/> Planned
					<input checked="" type="checkbox"/> Underway
					<input type="checkbox"/> Completed
					<input type="checkbox"/> Not Required

